

CONFIGURATION MIGRATION TOOL

# FortiConverter Release Notes

**VERSION 5.0**

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FortiConverter 5.0 Release Notes

1st Edition

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# Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.0, build 0027.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversion of Cisco, Check Point, Juniper, SonicWall, Palo Alto Networks and Alcatel-Lucent Brick configurations. It also supports the conversion of FortiOS to a different FortiOS version.

A trial version is available, which provides full functionality for Fortigate-to-Fortigate tasks. For all other conversions, you can complete a conversion and view the results in the tuning page. All other functionality is disabled until you upload the full license. In most cases, this limited functionality is sufficient to allow you to evaluate the product.

SKU	Description
<b>FC-10-CON01-401-01-12</b>	1-year multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.
<b>FC-10-CON01-401-02-12</b>	1-year renewal multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.



If you do not renew the license, functionality reverts to the trial version.

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For additional documentation, please visit:

<http://docs.fortinet.com/forticonverter/>

## What's new

The following features are new or enhanced in FortiConverter 5.0:

- **Supported FortiOS conversions** – FortiConverter 5.0 supports conversions to FortiOS 5.2 and 5.4 only. To convert a configuration to FortiOS 4.3 or 5.0, you can use your license with FortiConverter 4.9 or a special build based on the 4.9 version that Fortinet supplies.
- **Complete conversion and tuning with a trial license** – To allow you to successfully evaluate FortiConverter, for most vendor conversions, you can now use the trial license to generate a complete conversion and view the results in the tuning page. (All other functionality, including output, is disabled until you upload the full license.)
- **License validation via web proxy** – You can now configure FortiConverter to use an explicit (non-transparent) web proxy server to connect to Fortinet's online licensing servers.
- **Physical interfaces mapping enhancements** – For conversion wizards that provide physical interface mapping options, new options allow you to map interfaces to an aggregate interface and delete interfaces that are not used in the output configuration.
- **Configurable VDOM mapping** – For configurations with objects such as virtual contexts or logical or virtual systems that FortiConverter converts to VDOMs, you can now select which objects to convert and specify the name of the VDOMs.

For Check Point conversions, you can also convert a firewall to a non-root VDOM. This option allows you to import the configuration into an existing FortiGate device instead of generating standalone output.

- **Counts of detected and created policies** – The conversion results now display both the number of policies that FortiConverter detected during the conversion and the number of policies in the output conversion.
- **Original policy IDs in converted NAT policy IDs** – FortiConverter now creates the policy IDs for any NAT policies in the output configuration by adding a three-digit prefix to the original policy ID. For example, the original policy 100015 corresponds to policies 001100015, 002100015, and so on in the output.
- **Check Point and Cisco NAT merge examples** – The user guide now includes detailed examples of the logic FortiConverter uses to migrate different forms of NAT from Check Point and Cisco source configurations to FortiOS.
- **Check Point conversion**
  - **FortiOS 5.4 Central NAT support** – Conversions to FortiOS 5.4 can now support the central NAT feature. (Conversions to FortiOS 5.2 use central source NAT.)

## System requirements

FortiConverter is designed to run on the following Microsoft Windows platforms:

- Microsoft Windows 10
- Microsoft Windows 8 (32-bit or 64-bit)
- Microsoft Windows 7 (32-bit or 64-bit)
- Microsoft Windows Server 2008 (32-bit or 64-bit)

## Supported versions and conversions

Vendor	Models	Versions	Convertible objects
Alcatel-Lucent	Brick	ALSMS v9.x	Addresses & Address Books Interfaces (physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
	SmartCenter	NG FP1 (4.0) to NGX R77	Addresses & Address Groups Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT (Automatic & Rule) Negate Cell Policies (rulebases.fws) RADIUS, TACACS+, & LDAP
Check Point	Provider-1	NGX R65 to R77	Rules Schedules Services & Service Groups Static routes VPN (IPSec)
	PIX ASA FWSM	4.x to pre-8.3, 8.3 and later, 9.x	ACLs Addresses & Address Groups DHCP Servers DNS Servers Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools
Cisco	IOS	10.x to 12.x 15.x	Local Users & Groups NAT (including Object NAT and Double NAT) RADIUS, TACACS+, & LDAP Services & Service Groups Static Routes Time Ranges VPN (IPSec, PPTP/L2TP, EZVPN)

Vendor	Models	Versions	Convertible objects
<b>Juniper</b>	SSG	ScreenOS 5.x, 6.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) Static Routes Services & Service Groups Policies VIPs/MIPs NAT IP Pools VPN (IPSec, PPTP/L2TP) Local Users & Groups RADIUS & LDAP Zones
	SRX	Junos OS 10.x to 12.x	Addresses & Address Groups & FQDNs DHCP Servers & Client & Relay Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT Policies RADIUS & LDAP Services & Service Groups Static Routes VIPs/MIPs VPN (IPSec, PPTP/L2TP) Zones
<b>Palo Alto Networks</b>	PA	PAN-OS 1.x to 6.x	Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT (partial) Policies Schedules Static Routes Services & Service Groups Zones
<b>SonicWall</b>	NSA Serials	SonicOS Enhanced 5.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT Policies Schedules Services & Service Groups Static Routes Zones



## Upgrading

The FortiConverter installation process creates a desktop shortcut you can use to open the product.

If you installed a version earlier than 5.0 and install version 5.0 or later, the FortiConverter installer does not replace the old shortcut icon with the new icon used for version 5.0 or later. (This does not affect FortiConverter functionality in any way.)

To change to the new desktop icon, before you install the later version, either uninstall the earlier version of FortiConverter or delete the desktop icon.

## Resolved issues

The resolved issues listed below do not list every bug that has been corrected with this release. For inquiries about a particular bug, please contact [Fortinet Customer Service & Support](https://support.fortinet.com):

<https://support.fortinet.com>

### Resolved issues

Bug ID	Description
364782	Support for Check Point Double NAT conversion
365386	Unable to locate correct Check Point rule base definition file for 12400 appliance
365383	Cannot upload Check Point Provider-1 to FortiManager conversion outputs via scripts
364812	Unable to convert from SRX to FortiGate
355321	Cisco to FortiGate NAT issues
365795	Double NAT is not converted in rule
364746	Determine interface by both route information and NAT in Cisco conversion
308163	FortiConverter converts the name and the alias of an interface into two different interfaces
309352	Some policies are split into two
357060	ICMP service conversion error when converting SRX
356213	License validation does not work when the user cannot access NTP site
356211	Unable to convert ScreenOS service object with special protocols
363331	Juniper SRX NAT rules do not match global policies
354481	FortiConverter converts Cisco service "sqlnet" to "TCP"
267570	Cisco FWSM conversion uses "any" interface instead of specific interface

## Known issues

The issues listed below do not include every known bug. For inquiries about a particular bug, please contact [Fortinet Customer Service & Support](#):

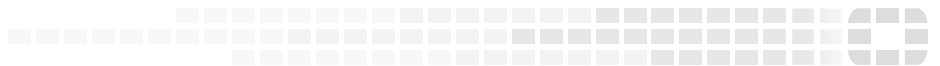
<https://support.fortinet.com>

### Known issues

Bug ID	Description
366157	Juniper address object conversion should include zone information
366548	ScreenOS conversion does not handle MIP object correctly
366550	Public IP address conflict in VIP and MIP objects in ScreenOS conversion
366643	Support for NAT control in Cisco conversion
366644	Add ACL source config line to converted NAT policies



High Performance Network Security



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